

Claims

[c1] 1. A method for updating a BIOS (basic input output system), comprising:

providing a memory to store at least one set of system configuration settings;

performing a power-on self test by a data processing device;

the data processing device checking a keyboard status, performing specific key-in commands, and determining whether said set of system configuration settings is triggered;

detecting said memory and a setting status of said memory by said data processing device;

detecting peripheral devices of said data processing device and a setting status of said peripheral devices;

determining whether to enter into a setup menu of said BIOS;

displaying a user interface of said setup menu and functions of said system configuration settings selected by the user;

determining whether to exit from said setup menu;

confirming whether to save a change of said system configuration settings; and

saving said change of said system configuration settings into a CMOS (complementary metal-oxide semiconductor).

- [c2] 2. The method of claim 1, wherein said step of the data processing device checking said keyboard status, performing specific key-in commands, and determining whether said set of system configuration settings is triggered includes a reset mode and a writing mode.
- [c3] 3. The method of claim 2, wherein said reset mode includes resetting data in said CMOS via an input device.
- [c4] 4. The method of claim 2, wherein said writing mode includes writing data of said CMOS backed up in said memory selected by an input device directly into hardware of said CMOS, and said CMOS saving said backup data in said memory selected by said input device.
- [c5] 5. The method of claim 1, wherein said data processing device is a desktop computer, a notebook computer, a personal digital assistant, or a handheld data processing device.
- [c6] 6. The method of claim 1, wherein said step of displaying said user interface and functions includes a backup mode, a loading mode, and a renaming mode.

- [c7] 7. The method of claim 6, wherein said backup mode includes backing up data in said CMOS to said memory.
- [c8] 8. The method of claim 6, wherein said loading mode includes loading backup data in said memory backed up from said CMOS to said CMOS.
- [c9] 9. The method of claim 6, wherein said renaming mode includes allowing the user to rename an item displayed in said setup menu.
- [c10] 10. A method for updating a BIOS to simplify change of a setting for said BIOS by pre-disposing a memory to store at least one set of system configuration settings, said method comprising:
 - performing a power-on self test by a data processing device;
 - checking a keyboard status, performing specific key-in commands, and determining whether said set of system configuration settings is triggered;
 - determining which one of said set of system configuration settings is triggered;
 - detecting a computer system memory and a setting status of said computer system memory by said data processing device; and
 - detecting peripheral devices of said data processing device and a setting status of said peripheral devices.

- [c11] 11. The method of claim 10, wherein said step of checking said keyboard status, performing specific key-in commands, and determining whether said set of system configuration settings is triggered includes a reset mode and a writing mode.
- [c12] 12. The method of claim 11, wherein said reset mode includes resetting a data in said CMOS via an input device.
- [c13] 13. The method of claim 11, wherein said writing mode includes writing a backup data in said memory selected by an input device directly into hardware of said CMOS, and said CMOS saving said backup data in said memory selected by said input device.
- [c14] 14. The method of claim 10, wherein said data processing device is a desktop computer, a notebook computer, a personal digital assistant, or a handheld data processing device.